

Rec'd PCT/PTO 12 OCT 2004

510,744

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
11 December 2003 (11.12.2003)

PCT

(10) International Publication Number
WO 03/102203 A1

(51) International Patent Classification⁷: C12P 1/00

(21) International Application Number: PCT/KR02/00617

(22) International Filing Date: 9 April 2002 (09.04.2002)

(25) Filing Language: Korean

(26) Publication Language: English

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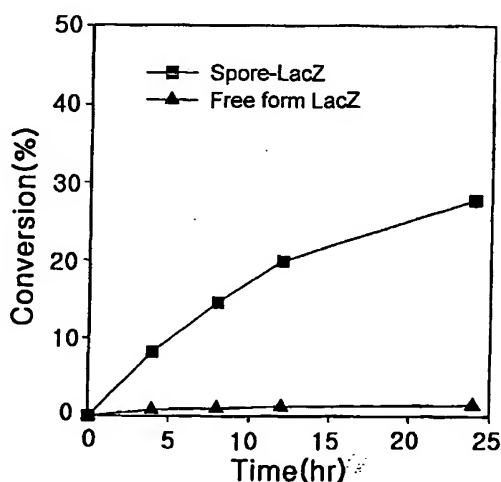
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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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(54) Title: STABILIZED BIOCATALYSTS AND METHODS OF BIOCONVERSION USING THE SAME



(57) Abstract: The present invention relates to a biocatalyst displayed on spore or virus surface and a method of bioconversion using the same, in particular to a method of bioconversion using a biocatalyst, which comprises the steps of: (a) preparing a vector for spore surface display comprising a gene construct containing a gene encoding a display motif and a gene encoding the biocatalyst, wherein, when expressed, the gene construct expresses the display motif and the biocatalyst in a fusionform and the biocatalyst is displayed on a spore surface; (b) transforming a host cell with the vector for spore surface display; (c) displaying the biocatalyst on the spore surface of the host cell; (d) recovering the spore, displaying on its surface the biocatalyst; and (e) performing the bioconversion reaction using the spore displaying on its surface the biocatalyst, and a biocatalyst.

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